

# LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

## Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

### ISSUES TO

MID-MISSOURI LIME STONE, INC.

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of

Limestone in the state of Missouri. The extent of the

Proposed mining operation(s) will be on 138 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Pettis	32	48N	21W	32	0	32	Houstonia Quarry #5	0415
Callaway	14	47N	11W	55	0	55	Millersburg Quarry #1	0416
Franklin	01	44N	03W	28	0	28	New Haven Quarry #2	0417
Boone	27, 34	51N	13W	20	0	20	Riggs Quarry #4	0418
Montgomery	16, 17	47N	05W	3	0	3	Big Spring Quarry #3	0419

This permit may be suspended or revoked upon violation of any or all of the conditions set

forth in "The Land Reclamation Act," RSMo, 2001, or in such rules and regulations

as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this

28th

day of

July 2004

Permit No. 0349

Effective Date 08/09/2004

Expiration Date 08/08/2005

MO 780-1122 (6-95)

DIRECTOR OF STAFF

Land Reclamation Commission

RECEIVED

JUL 16 2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES**

P.O. BOX 176  
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Mid-Missouri Limestone, Inc.		DATE 7-8-04	
ADDRESS P.O. Box 52	CITY Kingdom City	STATE MO	ZIP CODE 65262
CONTACT PERSON K. Douglas Mertens		TELEPHONE NUMBER (573) 642-1200	

**FEES: COMPLETE SECTION I OR SECTION II**

**SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:**

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. Millersburg Quarry #1	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300.00
2. New Haven Quarry #2	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300.00
3. Big Spring Quarry #3	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300.00
4. Riggs Quarry #4	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300.00
5. Houstonia Quarry #5	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300.00
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$

TOTAL SITE FEE  $\longrightarrow$  \$ 1500.00

2. Acreage Fee \$5 X 138 number of acres bonded \$ 690.00

3. Annual Permit Fee \$ 500

4. Total Fee (Add totals from 1, 2 and 3) \$ 2690.00

NOTE: If Total Fee exceeds \$2,500.00 then pay only \$ 2,500

**SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:**

1. Annual Permit Fee \$ 300

SIGNATURE OF APPLICANT <i>K. Douglas Mertens</i>	TITLE Vice President	DATE 7/8/04
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Appeared before me this 8th day of July, 20 04, K. Douglas Mertens  
to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSEER SEAL	STATE OF Missouri	COUNTY (OR CITY OF ST. LOUIS) Callaway
	SUBSCRIBED AND SWORN BEFORE ME, THIS 8th DAY OF July YEAR 2004	
	NOTARY PUBLIC SIGNATURE <i>Linda Martin</i>	MY COMMISSION EXPIRES 9/25/05
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Linda Martin	

USE RUBBER STAMP IN CLEAR AREA BELOW.

**LINDA MARTIN**  
Notary Public - Notary Seal  
STATE OF MISSOURI  
Callaway County  
My Commission Expires Sept. 25, 2005

FOR DEPARTMENT USE ONLY: APPROVED BY <i>Larry Hepler</i>	DATE APPROVED 07/20/04	PERMIT NUMBER 0349	EXPIRATION DATE 08/08/2005
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MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

RECEIVED  
MAY 31 2001  
MISSOURI LAND  
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER Houstonia Quarry - Site #5		PERMIT NUMBER 349	
COMPANY NAME Mid-Missouri Limestone, Inc.			
COUNTY Pettis	1/4 SECTION NE	SECTION 32	
TOWNSHIP 48	RANGE 21W	ACRES 133.5	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) n/a			
MINERAL COMMODITY limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) n/a	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Delmar R. & Dorothy M. Cornine		
ADDRESS Route 1, Box 100		
CITY Houstonia	STATE MO	ZIP CODE 65333
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT 3/23/94
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) same		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.

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MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION

**MINE PLAN**

~~CONFIDENTIAL~~

P.O. BOX 176  
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: AUGUST 1, 2025

Site #5  
Houstonia Quarry

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Rolling pasture with some dense trees and vegetation.

**OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.**

**A. TOPSOIL**

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

3 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Dozer and scraper removal of topsoil.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Scraper will stockpile topsoil for storage and stockpile will be seeded to prevent erosion.

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OCT 5 - 1994

MISSOURI LAND  
RECLAMATION COMMISSION

**B. SPOIL**

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

Spoil will be stockpiled for future reclamation of mined areas. As pit advances, spoil will be utilized as fill material.

**C. ACID MATERIALS**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

NONE

**D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

PLEASE REFER TO SITE MAP

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08/15 - 1994

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RECLAMATION COMMISSION

**YES NO**

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?  
(NOTE: If the answer is "yes", a safety barrier may be needed.)

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**RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.**

**A. REVEGETATION** (Attach additional sheets, if needed)

**REVISED**

REVEGETATION MIX #1

PURPOSE OR LAND USE

Pasture, WILDLIFE, DEVELOPMENT

B. SEEDING OR PLANTING TIME

March 1 - April 30

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

*nutl. mixers 10/26/94*

Seed mix will be broadcast by hand during the approximate spring seeding conditions.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard Grass	12		
Korean Lespedeza	12		
Medium Red Clover	4		
Timothy	12		

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

N/A

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

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MISSOURI LAND  
RECLAMATION COMMISSION

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

MAY 31 2001

**B. GRADING**

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

MISSOURI LAND  
RECLAMATION COMMISSION

11.5 acre lake will be constructed. All other land we be reclaimed with slopes traversable by machinery. High walls may be present on lake site.

**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

Grading will occur once pit, stockpile, and general work area reach adequate levels. Final grading will occur one year after permit expires.

**REPLACEMENT OF TOPSOIL**

Within one year after permit expires, topsoil will be replaced to a uniform depth of 12 inches.

**REVEGETATION**

All topsoiled areas will be seeded during the appropriate seeding season following topsoil replacement.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12

**D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation

**ESTIMATED ACRES:**

Wildlife (forest or other habitat with livestock excluded)

50

Agricultural (pasture, cropland, and horticultural)

72

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

11.5

**REVISED**

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By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>[Signature]</i>		TITLE Secretary/Treas.	DATE 9/29/94
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Callaway	
SUBSCRIBED AND SWORN BEFORE ME, THIS 29th DAY OF September 19 94		USE RUBBER STAMP IN CLEAR AREA BELOW	
NOTARY PUBLIC SIGNATURE <i>[Signature]</i>		MY COMMISSION EXPIRES 7/2/96	<b>RECEIVED</b>
NOTARY PUBLIC NAME (TYPED OR PRINTED) Linda Martin			
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>[Signature]</i> R. Monahan		DATE APPROVED 11/14/94 OCT 5 - 1994	PERMIT NUMBER 349 (A1)





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

RECEIVED  
JUL 27 2001  
MISSOURI LAND  
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.		
SITE NAME OR NUMBER Riggs Quarry - Site #4		PERMIT NUMBER 349
COMPANY NAME Mid-Missouri Limestone, Inc.		
COUNTY Boone	1/4 SECTION	SECTION 26,27,&34
TOWNSHIP 51N	RANGE 13W	ACRES 286.25 (34.5 is pre-Law) which has a pre-law exemption. <i>ILRV</i>
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)		
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)
NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) see attached list		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT
MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) same as above		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT
<b>NOTE:</b> Each site must be shown on a map and be included in a public notice and an approved mine plan.		



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**MINE PLAN**

P.O. BOX 176  
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

- ☐ SHORT TERM, FOR ONE PERMIT YEAR  
☒ LONG TERM, FOR PERIOD THROUGH DATE: Sept. 1, 2024

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

An existing quarry with 40,000 to 50,000 tons of exposed ledge ready for immediate use.

Terrain is rocky and rough with some brush growth. 34.5 acres of Pre-Law exempt quarry is adjoining twenty acres of new mine property subject to Land Reclamation reporting requirements.

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MAR - 6 2000  
MISSOURI LAND  
RECLAMATION COMMISSION

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

3

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Scraper and Dozer removal.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Scraper will stockpile soil. The stockpile will be seeded with grass to protect from erosion.

**REVISED** - At time of pre-law exemption  
Old page 1 of 5 archived. Lgh 04/20/00

**B. SPOIL**

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

Overburden and spoil will be stockpiled for future reclamation.

**C. ACID MATERIALS**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

**PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

Refer to site map.

**YES      NO**

- |                          |                                     |   |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?  |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation start at or within fifty feet (50') of any property line?<br>(NOTE: If the answer is "yes", a safety barrier may be needed.)  |

**RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.****A. REVEGETATION** (Attach additional sheets, if needed)

REVEGETATION MIX #1

#1

PURPOSE OR LAND USE

Wildlife

B. SEEDING OR PLANTING TIME

Mar. 1 to April 30

**DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING**

During the appropriate spring seeding conditions, approximately one year after replacement of topsoil, a seed mix will be broadcast.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard Grass	12		
Korean Lespedeza	20		
Ladino Clover	2		
*This mixture comes from the Missouri Dept. of Conservation Wildlife Management for Missouri Landowners guide. The pounds per acre have been increased slightly to insure growth through the broadcast method of seeding.			

VEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

**DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING**

N/A

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

**ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.**

**B. GRADING****DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

Final Pit area will be graded with slopes traversable by machinery.

**RECEIVED**

JUL 27 2001

MISSOURI LAND  
RECLAMATION COMMISSION**SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

Grading will occur as pit advances, once adequate stockpile and general working area has been reached. Final grading will occur one year after permit expires.

**REPLACEMENT OF TOPSOIL**

Within one year after expiration of permit, topsoil will be replaced to a uniform depth of twelve inches.

**REVEGETATION**

All topsoiled areas will be seeded during the appropriate seeding season following placement of topsoil.

**AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)**

12

**D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation

**ESTIMATED ACRES:**

Wildlife (forest or other habitat with livestock excluded)

251.75

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

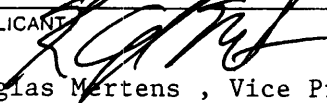
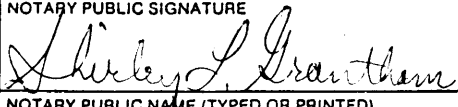
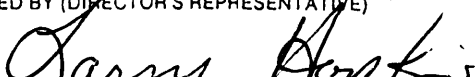
RECEIVED

JUL 27 2001

By my signature, I attest to the following:

MISSOURI LAND  
RECLAMATION COMMISSION

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT  K. Douglas Mertens , Vice President		TITLE Vice President	DATE 7-27-01
NOTARY PUBLIC EMBOSSER SEAL	STATE Missouri		COUNTY (OR CITY OF ST. LOUIS) Cole
	SUBSCRIBED AND SWORN BEFORE ME, THIS 27 DAY OF July 1 <sup>st</sup> 2001		USE RUBBER STAMP IN CLEAR AREA BELOW  SHIRLEY L. GRANTHAM NOTARY PUBLIC STATE OF MISSOURI COUNTY OF COLE MY COMMISSION EXPIRES FEBRUARY 7, 2003
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 2/7/03	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Shirley L. Grantham		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) 		DATE APPROVED 08/29/01	PERMIT NUMBER 0349



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER #1 - Millersburg Quarry		PERMIT NUMBER 91-349	
COMPANY NAME Mid-Missouri Limestone, Inc.			
COUNTY Callaway	1/4 SECTION	SECTION 14	
TOWNSHIP 47N	RANGE 11W	ACRES 237	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A			
MINERAL COMMODITY limestone aggregates		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A	

**RECEIVED**

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Mid-Missouri Limestone, Inc.			AUG 10 1992
ADDRESS P.O. Box 52			MISSOURI LAND RECLAMATION COMMISSION
CITY Kingdom City,	STATE Missouri	ZIP CODE 65262	
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT May 1, 1981	
		<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT	

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Same		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT
		<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**MINE PLAN**

P.O. BOX 176  
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: August 2025

Site #1 - Millersburg  
Quarry

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Existing quarry with steeply rolling hills that are brush & weed covered. Some improved pasture.

**OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.**

**A. TOPSOIL**

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

12"

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

After trees are cleared with dozers, the topsoil will be removed with scrapers and stockpiled. Any additional clay dirt will be removed and used for reclamation purposes in previous mined out areas.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The topsoil will be stockpiled, shaped and seeded to protect from erosion.

Millersburg



**B. SPOIL**

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

All overburden removed will be placed in mined out portion of pit and graded to traversable slopes.

**C. ACID MATERIALS**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

none

**D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

**YES NO**

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?  
(NOTE: If the answer is "yes", a safety barrier may be needed.)

**RECEIVED**  
JUL 27 1994

**RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.**

**A. REVEGETATION** (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME  
March 15 - May 15

#1 - Millersburg Quarry

Pasture

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

The grass will be seeded the first spring after the topsoil replacement has been completed:

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchardgrass	8		
Timothy	10		
Korean Lespedeza	8		
Red Clover	2		
Oats	30		

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

#1 - Millersburg Quarry

Wildlife Area

March 15 - May 15

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

The grass will be seeded the first spring after the topsoil replacement has been completed. After grass has grown sufficient to control erosion, trees will be planted.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Timothy	22	Mixture of White Pine,	
Korean Lespedeza	5	Gray Dogwood, & Walnut	300 stems/acre

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

**B. GRADING**

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

Gently rolling to hilly wildlife areas with a mixture of woods and grassy glades with slopes traversable by farm machinery wherever possible. Two or three lakes covering approximately 40 acres. Improved pasture land with slopes traversable by farm machinery. Slopes which are to exceed 3 to 1 are marked on the land use map.

**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**

**GRADING**

Grading and topsoiling will be complete withing twelve months after the expiration of the permit under which disturbance occurred.

**REPLACEMENT OF TOPSOIL**

The topsoil will be placed <sup>JMM</sup> after the final grading is completed.

**REVEGETATION**

All topsoiled areas will be seeded during the first spring following the topsoil replacement.

**AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)**

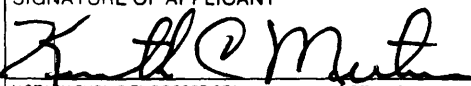

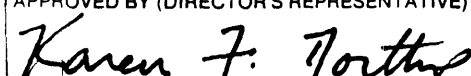
12"

**D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	89
Agricultural (pasture, cropland, and horticultural)	108
Development (residential, industrial, and recreational)	
Water impoundments (for wildlife, agricultural, or development)	40

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE Secretary/Treas.	DATE 7/24/92
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri		COUNTY (OR CITY OF ST. LOUIS) Callaway
	SUBSCRIBED AND SWORN BEFORE ME, THIS 24th DAY OF July 19 92		USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 7/2/96	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Linda Martin		
APPROVED BY (DIRECTOR'S REPRESENTATIVE)  LRS I		DATE APPROVED 9/9/92	PERMIT NUMBER 349



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <b>#2 - New Haven Quarry</b>		PERMIT NUMBER <b>91-349</b>
COMPANY NAME <b>Mid-Missouri Limestone, Inc.</b>		
COUNTY <b>Franklin</b>	1/4 SECTION <b>SE 1/4</b>	SECTION <b>1</b>
TOWNSHIP <b>44N</b>	RANGE <b>3W</b>	ACRES <b>77.5</b>
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <b>N/A</b>		
MINERAL COMMODITY <b>limestone aggregates</b>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <b>N/A</b>

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <b>A.J. Albenesius Estate -- Suzanne McIntosh</b>		
ADDRESS <b>3251 Coles Ave.</b>		
CITY <b>St. Louis</b>	STATE <b>MO</b>	ZIP CODE <b>63114</b>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT <b>May 1, 1979</b>

**RECEIVED**  
**AUG 10 1992**

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <b>Same</b>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**MINE PLAN**

P.O. BOX 176  
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: August 2025

Site #2 New Haven Quarry

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Existing quarry with very steep rolling hillsides.

**OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.**

**A. TOPSOIL**

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

6" INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

After trees are cleared with dozers, the top 12" of soil will be removed by scrapers. Because the topsoil is only 6" deep, an additional 6" of subsoil will be removed to obtain a total of 12" of soil for replacement.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The scrapers will deposit the soil in stockpiles near the pit area. The stockpiles will be shaped and seeded to protect from erosion.

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AUG 10 1997

MISSOURI LAND  
RECLAMATION COMMISSION

**B. SPOIL**

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

The overburden will be stockpiled on site. The stockpile will be leveled, shaped and seeded to protect from erosion. We will eventually use the spoil to build roads and entrances into the industrial area.

**C. ACID MATERIALS**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

**D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

**YES NO**

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?  
(NOTE: If the answer is "yes", a safety barrier may be needed.)

RECEIVED  
JUL 27 1994  
MISSOURI LAND  
RECLAMATION COMMISSION

**RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.**

**A. REVEGETATION** (Attach additional sheets, if needed)

REVEGETATION MIX #1

#2 - New Haven Quarry

PURPOSE OR LAND USE

Industrial

B. SEEDING OR PLANTING TIME

March 15 - May 15

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

The grass will be seeded the first spring after the topsoil replacement has been completed.

REVISED

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Timothy	15		
Orchardgrass	15		
Korean Lespedeza	10		

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.



**B. GRADING**

## DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

An industrial area with a solid rock floor and three sides having greater than 3:1 slopes. The rest of the area will be natural timbered area that we won't be disturbed during our mining operations. Slopes exceeding 3 to 1 are marked on the land use map.

**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**

## GRADING

As we develop the industrial park we will be grading the overburden to make roads and entrances. Grading and topsoiling are to be complete within twelve months following the expiration of the permit under which disturbance occurred.

## REPLACEMENT OF TOPSOIL

The topsoil will be stockpiled until needed in the development of the industrial site (to be used for landscaping purposes around buildings).

## REVEGETATION

After the topsoiled areas are completed, the seeding will be done during the following spring.  
We will also be seeding the slopes on the roadways as they are completed.

## AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12"

**D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation

**ESTIMATED ACRES:**

Wildlife (forest or other habitat with livestock excluded)

7.5

Agricultural (pasture, cropland, and horticultural)

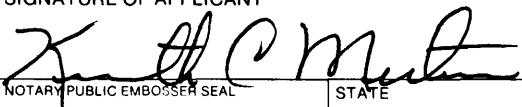

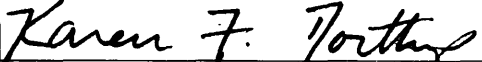
Development (residential, industrial, and recreational)

70

Water impoundments (for wildlife, agricultural, or development)

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE Secretary/Treasurer	DATE July 24, 1992
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Callaway	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 24th DAY OF July 1992		USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 7/2/96	
NOTARY PUBLIC NAME (TYPED OR PRINTED) Linda Martin			
APPROVED BY (DIRECTOR'S REPRESENTATIVE)  LRSI		DATE APPROVED 9/9/92	PERMIT NUMBER 349



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER #3 -- Big Spring Quarry		PERMIT NUMBER 91-349	
COMPANY NAME Mid-Missouri Limestone, Inc.			
COUNTY Montgomery	1/4 SECTION SE $\frac{1}{4}$ & SW $\frac{1}{4}$	SECTION 16 & 17	
TOWNSHIP 47N	RANGE 5W	ACRES 340	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A			
MINERAL COMMODITY limestone aggregates		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Mertens Construction Company, Inc.		
ADDRESS P.O. Box 52		
CITY Kingdom City	STATE MO	ZIP CODE 65262
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT 3/16/84

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Same		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**MINE PLAN**

P.O. BOX 176  
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: August 2025

Site #3 Big Spring Quarry

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Existing quarry with steep rolling hillsides with scrub brush & timber. Some improved pasture.

**OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.**

**A. TOPSOIL**

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

12 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

After trees are cleared with dozers, the topsoil will be removed with scrapers and stockpiled. Any additional clay dirt will be removed and used for reclamation purposes in previous mined out areas.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The topsoil will be stockpiled, shaped and seeded to protect from erosion.

**B. SPOIL**

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

All overburden removed will be placed in mined out portions of pit and graded to traversible slopes.

**C. ACID MATERIALS**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

none

**D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

**YES      NO**

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?  
(NOTE: If the answer is "yes", a safety barrier may be needed.)

# RECEIVED

REVISED

**RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.**

JUL 27 1994

**A. REVEGETATION** (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

MISSOURI

B. SEEDING OR PLANTING TIME

#3 - Big Spring Quarry

Pasture

RECLAMATION COMMISSION

March 15 - May 15

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

The grass will be seeded the first spring after the topsoil replacement has been completed.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchardgrass	12		
Timothy	10		
Korean Lespedeza	8		
Red Clover	2		
Oats	30		

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

#3 - Big Spring Quarry

Wildlife

March 15 - May 15

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

The grass will be seeded the first spring after the topsoil replacement has been completed. After grass has grown sufficient to control erosion, trees will be planted.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Timothy	25	Mixture of White Pine,	
Lespedeza (Korean)	5	Gray Dogwood, & Walnut	300 stems/acre

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

#3 B.g Spring

**B. GRADING**

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

Gently rolling to hilly wildlife areas with a mixture of woods and grassy glades with slopes traversible by farm machinery everywhere possible. A lake of approximately 10 acres. Improved pasture land with slopes traversible by farm machinery.

Slopes exceeding 3 to 1 are marked on the land use map. **NONE ON THIS SITE.**

**RECEIVED**

SEP 09 1992

MISSOURI LAND  
RECLAMATION COMMISSION

**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**

**GRADING**

Grading will be done as the pit advances. Grading and topsoiling will be completed withing twelve months after the expiration of the permit under which disturbance occurred.

**REPLACEMENT OF TOPSOIL**

The topsoil will be placed within one year after the final grading is completed in each area.

**REVEGETATION**

All topsoiled areas will be seeded during the first spring following the topsoil replacement.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)


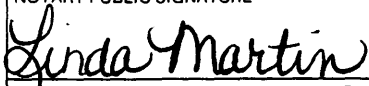
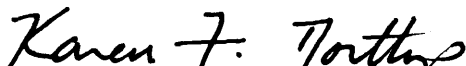
12"

**D. USE OF LAND WHEN RECLAIMED**

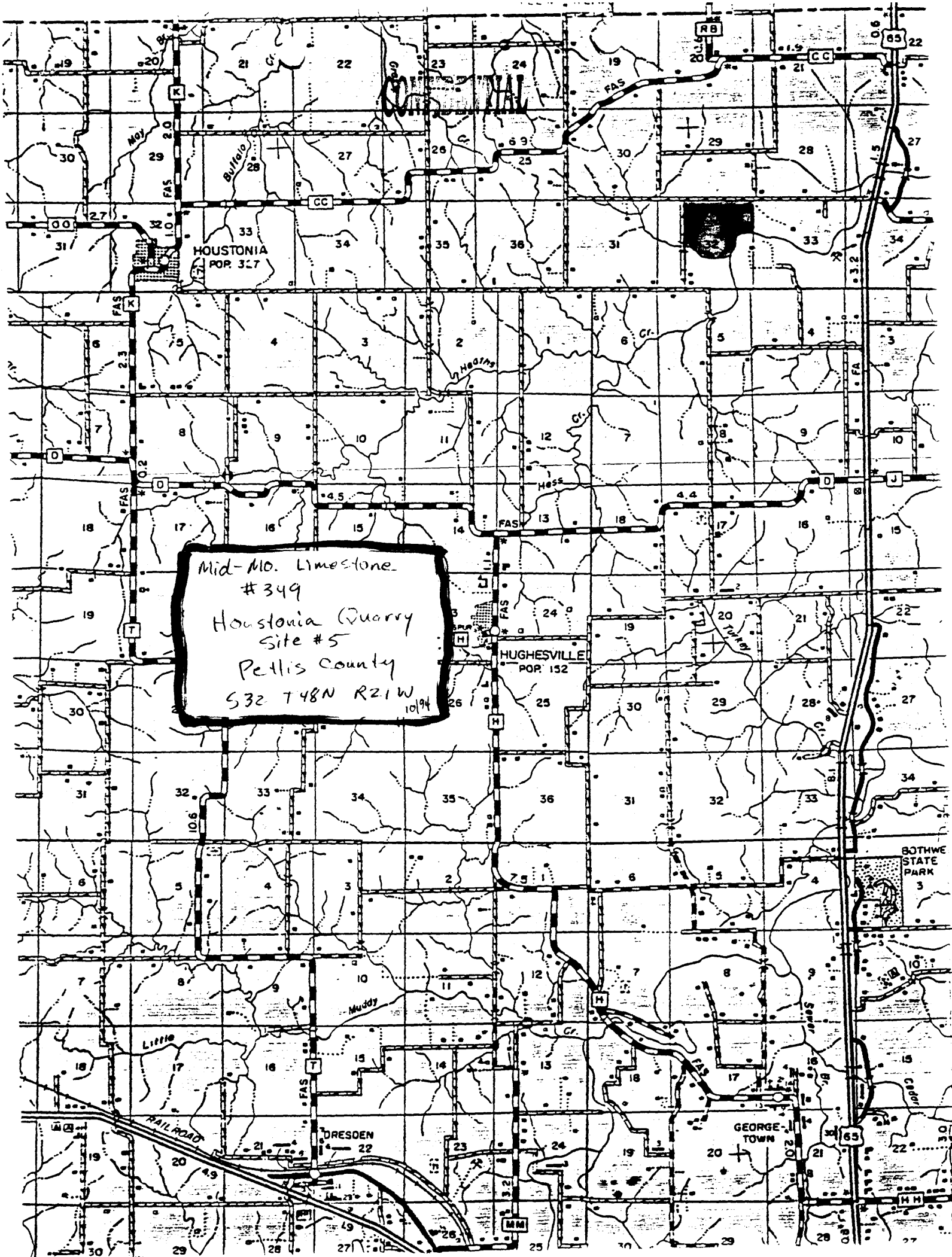
Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	89
Agricultural (pasture, cropland, and horticultural)	108
Development (residential, industrial, and recreational)	
Water impoundments (for wildlife, agricultural, or development)	40

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

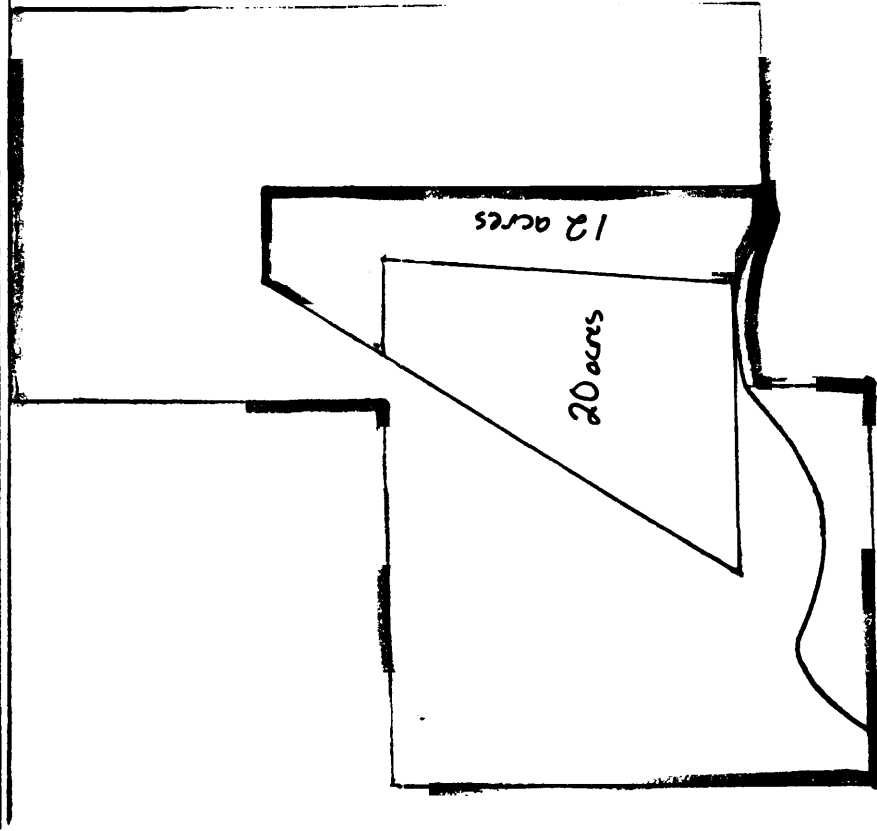
SIGNATURE OF APPLICANT 		TITLE Secretary/Treasurer	DATE 7/24/92
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Callaway	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 24th DAY OF July 19 92		USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 7/2/96	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Linda Martin		
APPROVED BY (DIRECTOR'S REPRESENTATIVE)  LRS I		DATE APPROVED 9/9/92	PERMIT NUMBER 349





↑ N

Trickum Road



Mid-Missouri Limestone, Inc.  
Houstonia Quarry - Site #5

Pettis County

Section 32 Township 48 Range 21W

Acreage 133.5

Permit #349

Last edited: 9/29/94

Permit boundary

Heaths Creek

current bonded acreage

requested acreage

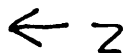
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MAY 31 2001

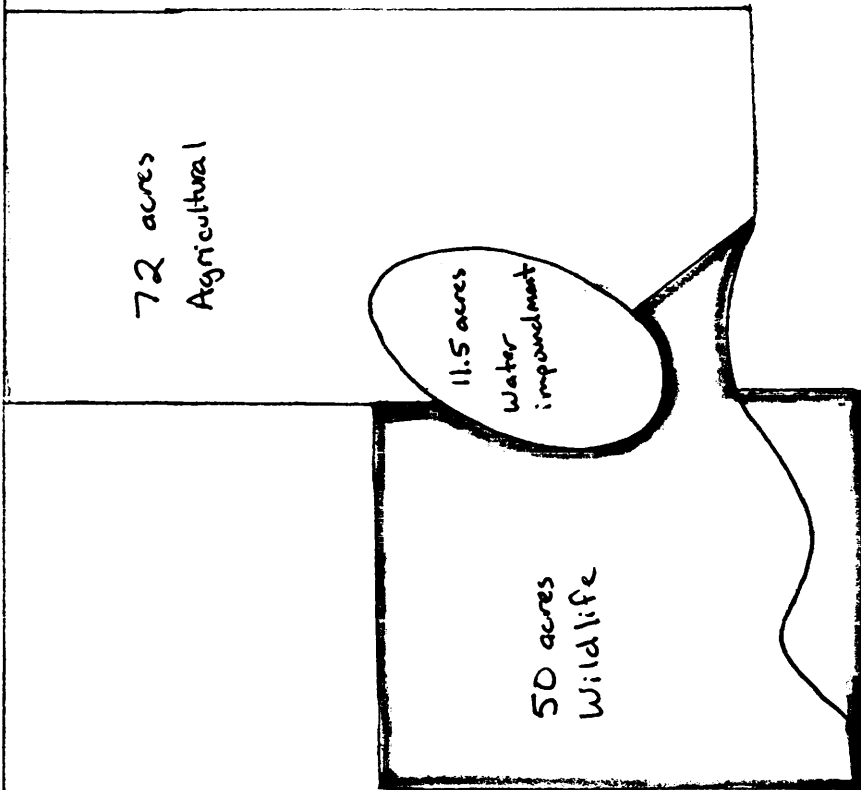
MISSOURI LAND  
RECLAMATION COMMISSION

1 = 660'

marked by K. J. D. ...



Trickum Road



Mid-Missouri Limestone, Inc.  
Houstonia Quarry - Site #5  
Pettis County

Section 32 Township 48 Range 21W  
Acreage - 133.5  
Permit #349

**A** msp - New

RECEIVED

MAY 31 2001

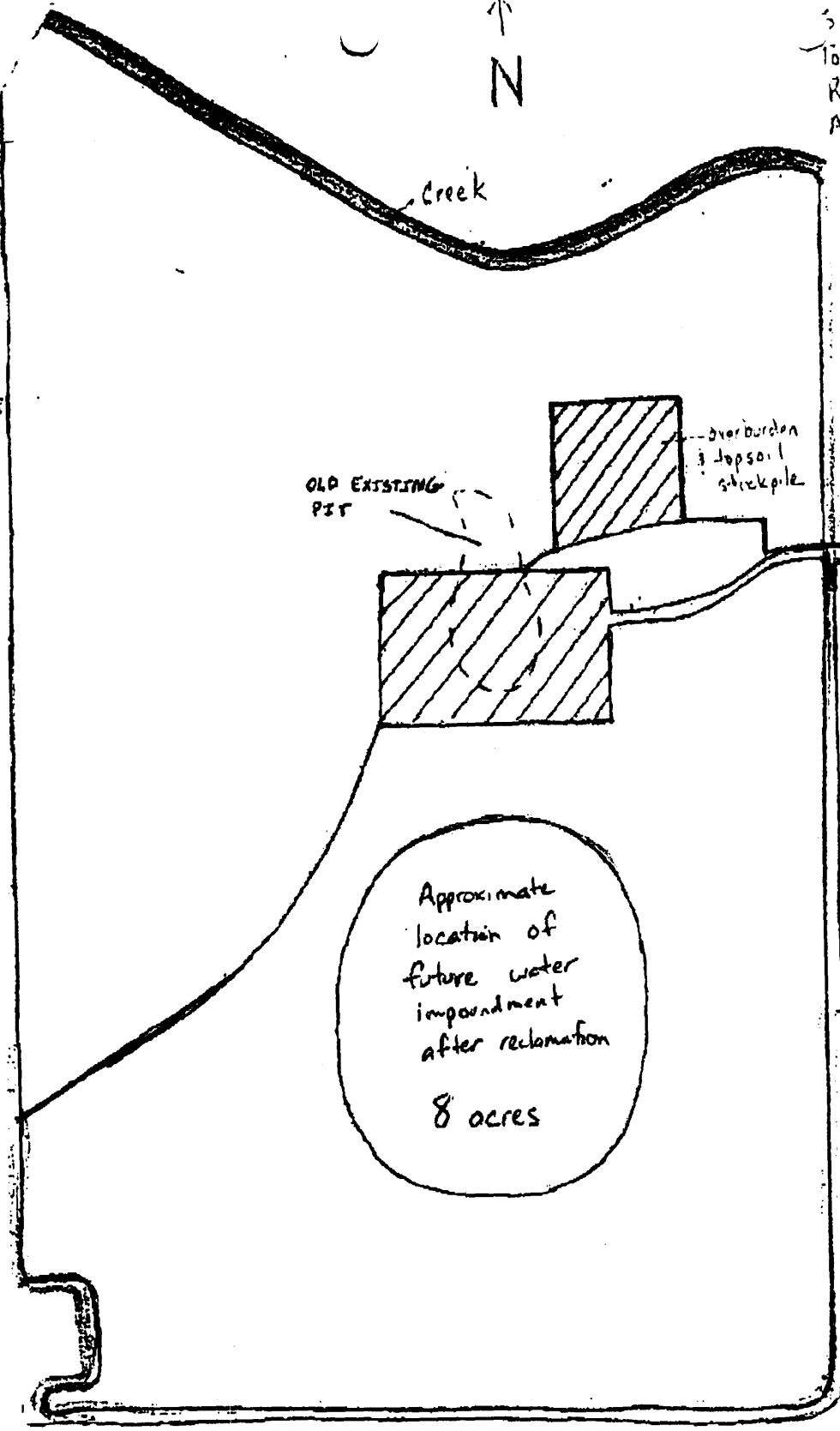
MISSOURI LAND  
RECLAMATION COMMISSION




*Original Map of Site #5*

1" = 660'

Section: 27 & 34  
Township: 51  
Range: 13  
Acres: 53

Property Owners:  
Mertens Const. Co., Inc.



-  Bonded acreage: 3 acres
-  TOTAL PROPERTY: 53 acres
-  LONG TERM PLAN: 26 acres

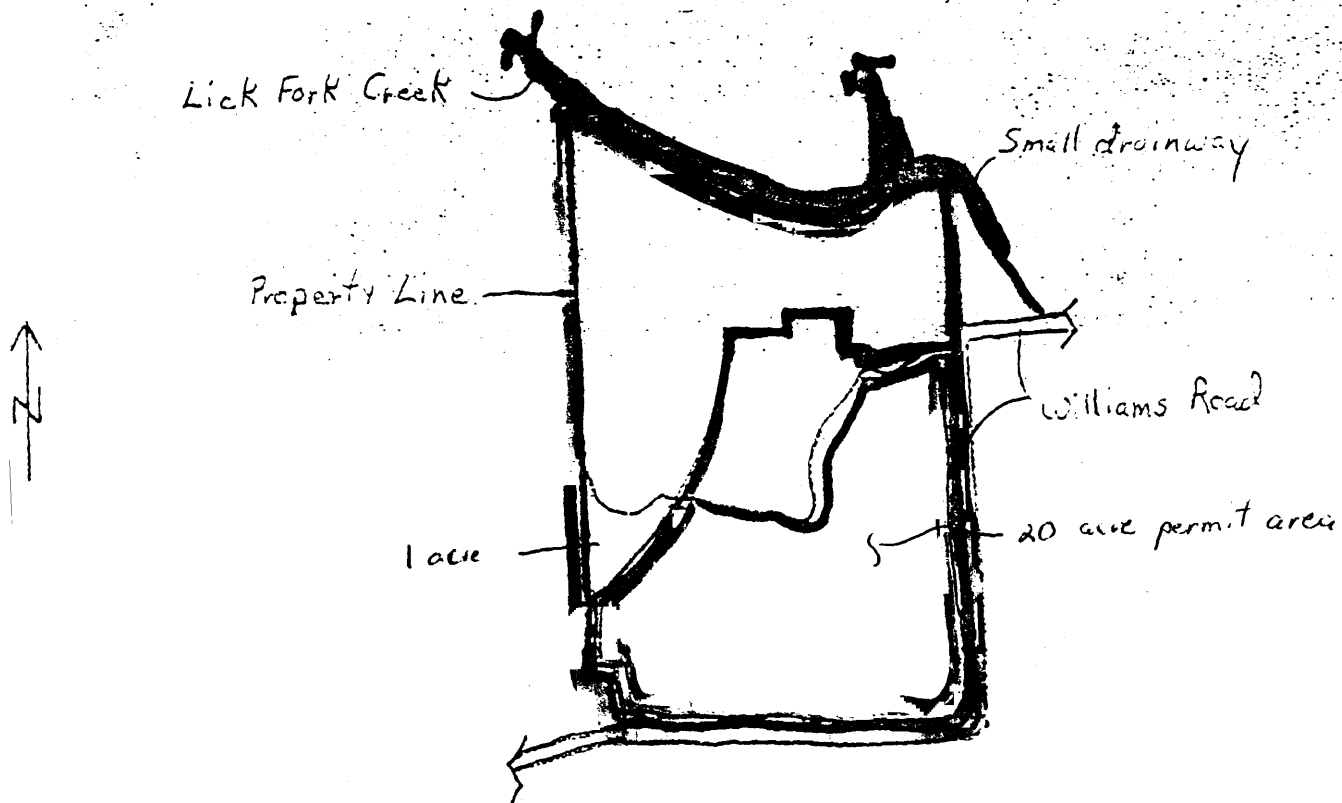
SCALE  
1" = 230 feet

Prepared By:  
K. Douglas Mertens

Mid-Missouri Limestone Inc.

Riggs Qy. S-27E34. T-51N. R-13W. Boone County

Prepared by Doug Mertens



Not to true scale. Made from overlays from 1968, 1977 aerial photographs, and Company permit maps, which are on file at LRP office. Approximate scale: 1"=660'. *LM*

- = Property Boundary ~ 53 acres - original
- = Pre-law disturbance as of 1968 ~ 34.5 acres
- = Permit boundary ~ 26 acres
- = Lick Fork Creek & drainway
- = 2.5 acres new property - pre-law
- = 20 acres to remain permitted

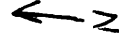
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MAR - 6 2000

MISSOURI LAND  
RECLAMATION COMMISSION

Mid-Missouri Limestone, Inc.  
Riggs Quarry Site #4  
Permit #0349

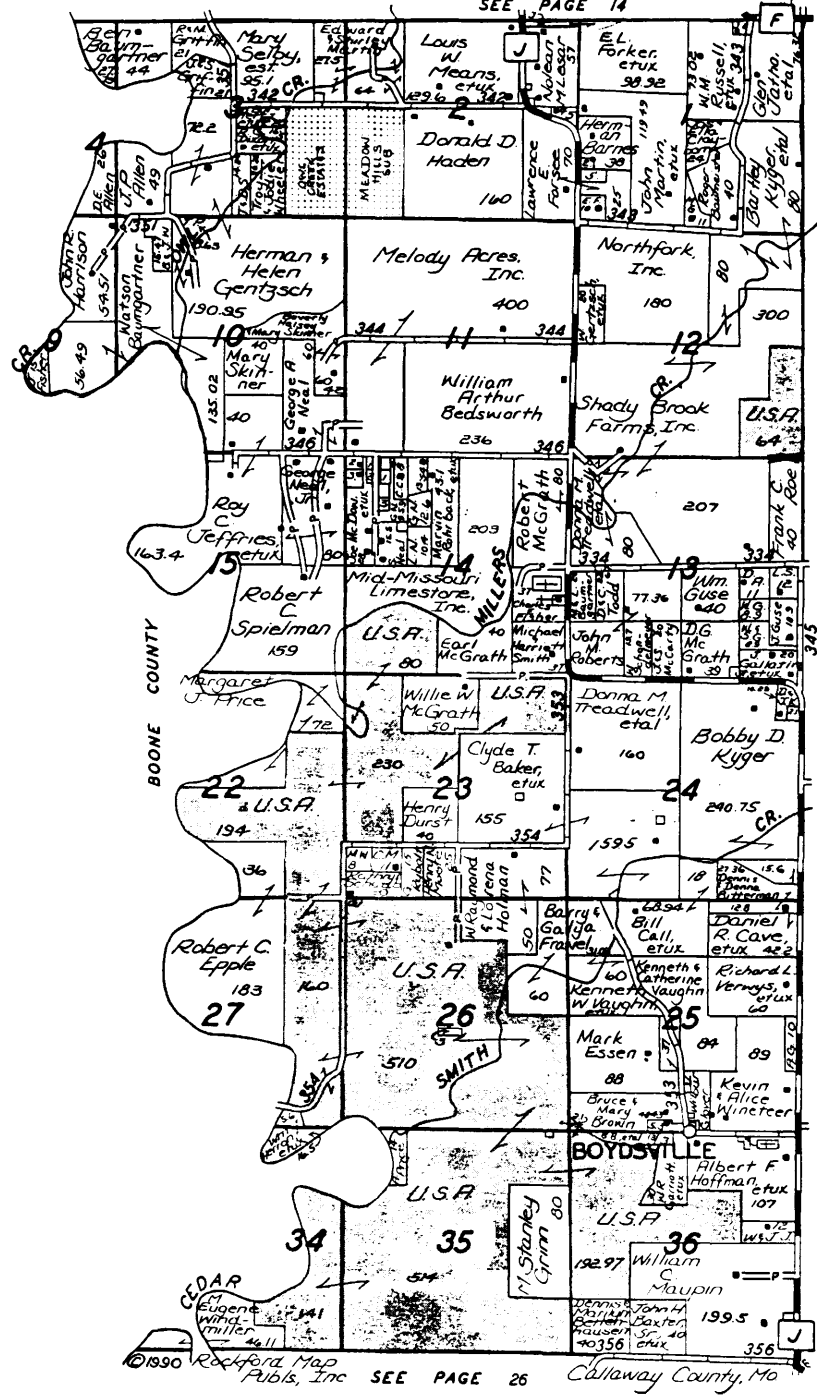


Pre-Law Disturbance Area  
6 Acre Pre-Law Bond Release Area  
20 Acre Remaining Permit Area  
Unpermitted / Undisturbed  
Current 26 Acre Permit Area



03/23/00 - From bond release for 6 acres  
of pre-law. Feb.

SEE PAGE 14



SEE PAGE 20

SEE PAGE 26

Callaway County, Mo.

**RECEIVED**  
AUG 10 1992  
MISSOURI LAND  
RECLAMATION COMMISSION

Mid-Missouri Limestone, Inc.  
Site #1 -- Millersburg Quarry  
S14. T47N. R11W  
by K.M. 1992 NT n.t.s.

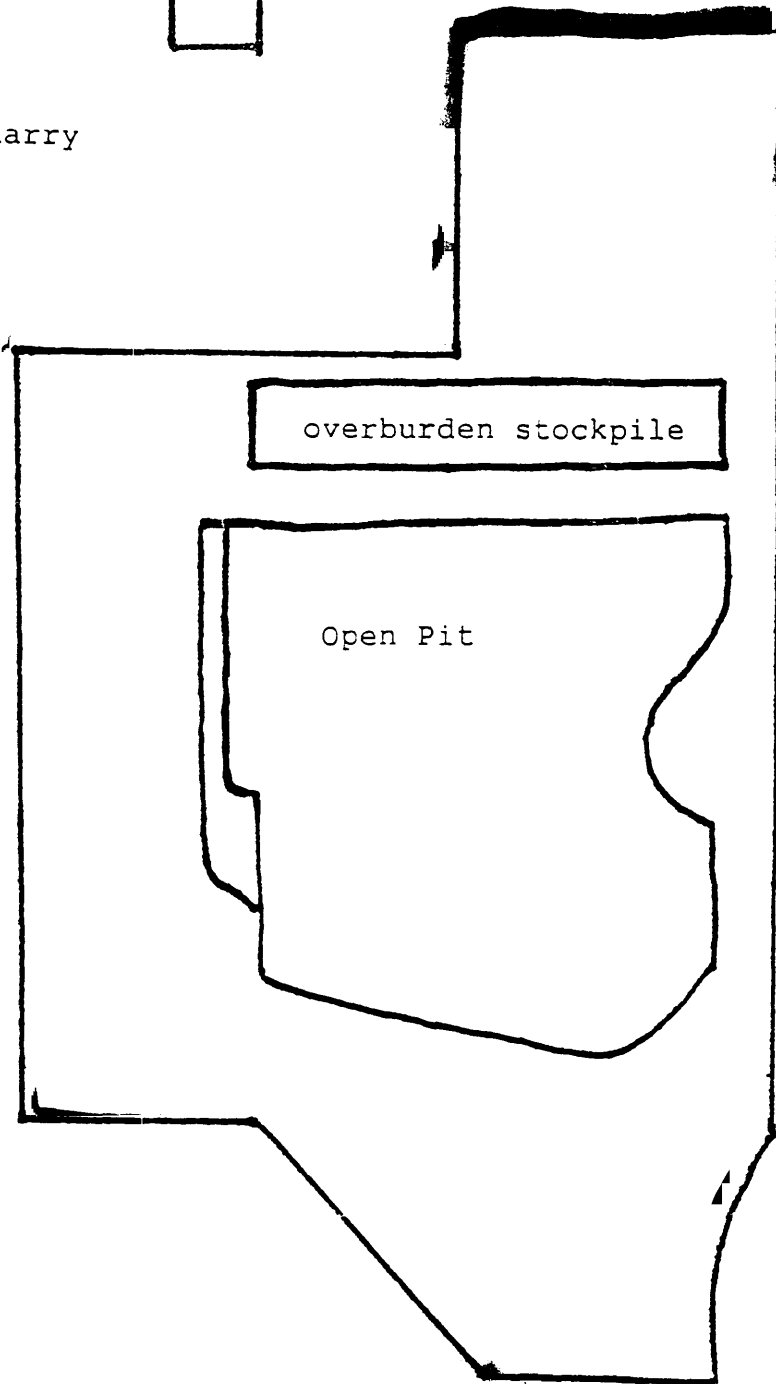


-----Topsoil stockpile

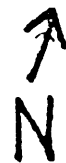
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OCT 23 1997

MISSOURI LAND  
RECLAMATION COMMISSION

Millersburg Quarry



■ Permitted acreage  
disturbed acreage





Site #1 -- Millersburg Quarry

# 1992 RECLAMATION STATUS REPORT

Scale 1" = 60'

(3 acres)  
backfilled  
& graded  
pit (9.7 acres)  
topsoil (4.9  
removed) or  
overburden  
moved  
TOPSOIL  
STOCKPILES  
(.6 acre)

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APR 22 1993

MISSOURI LAND  
COMMISSION



- Property line
- permitted area
- topsoil stockpile
- 12 acres added 349-A1
- overburden stockpile
- existing pit (expanding NE)
- slopes exceed 3:1 (highwall)

Mid-Missouri Limestone, Inc.  
 Site #1 - Willersburg Quarry  
 S14-T47N-R11W Calloway  
 by K.M. 1992 NT  
 Scale 1" = 660'

N



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 AUG 10 1992  
 MISSOURI  
 RECLAMATION

- property line
- permitted area 43a.
- topsoil stockpile
- overburden stockpile
- existing pit (expanding to NE)

Improved pasture,  
water impoundments  
remainder wildlife.

Mid-Missouri Limestone, Inc.  
Site #1 Millersburg Quarry

Scale 1" = 660'

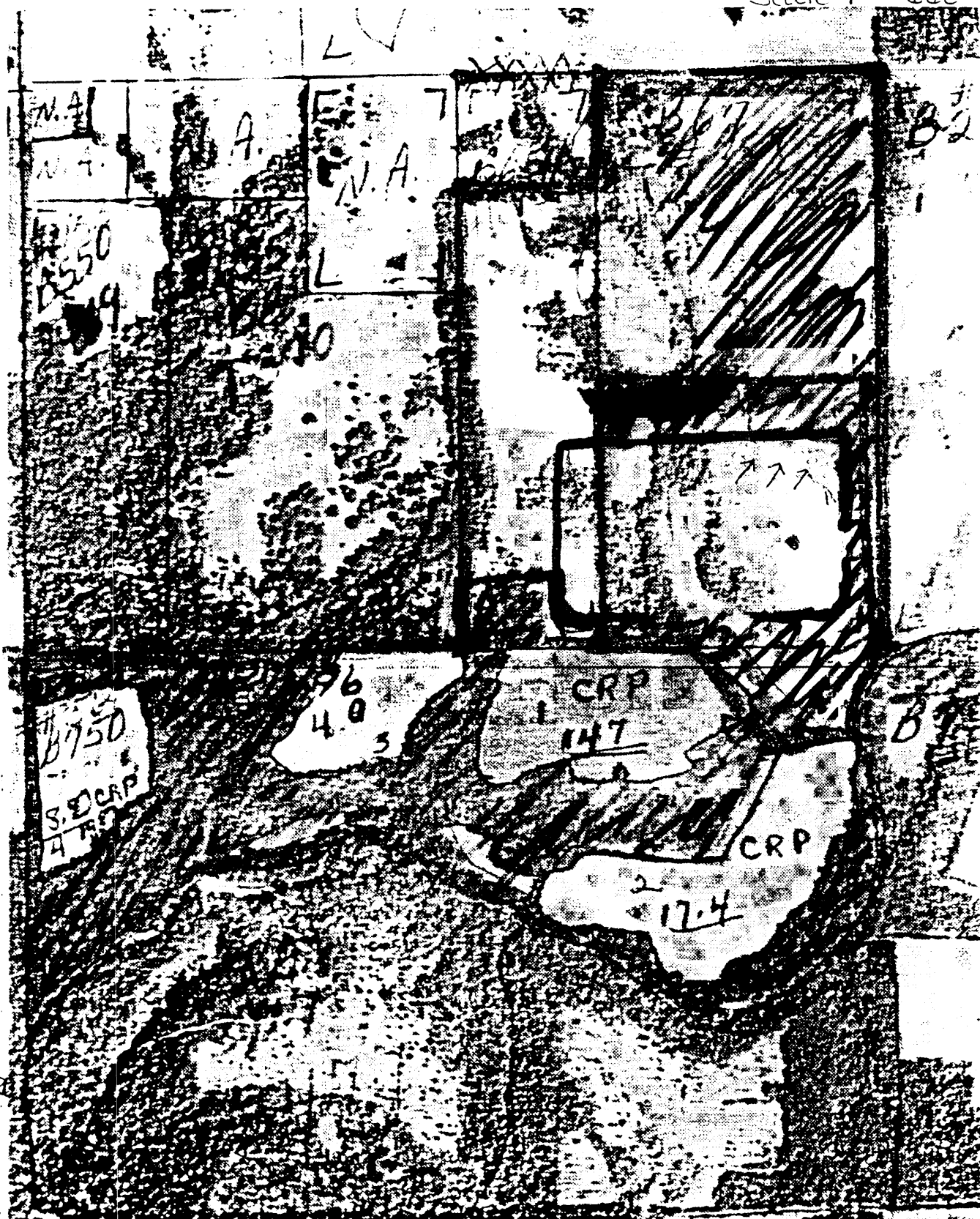


— property line  
— permitted area  
— topsoil stockpile

— Overburden stockpile  
existing pit (expanding NE)

Site #10, Millersburg Quarry

Scale 1" = 660'



AGRICULTURE  
(PASTURE)

## WILDLIFE

property line

permitted area

topsoil stockpile

future  
water  
impoundment

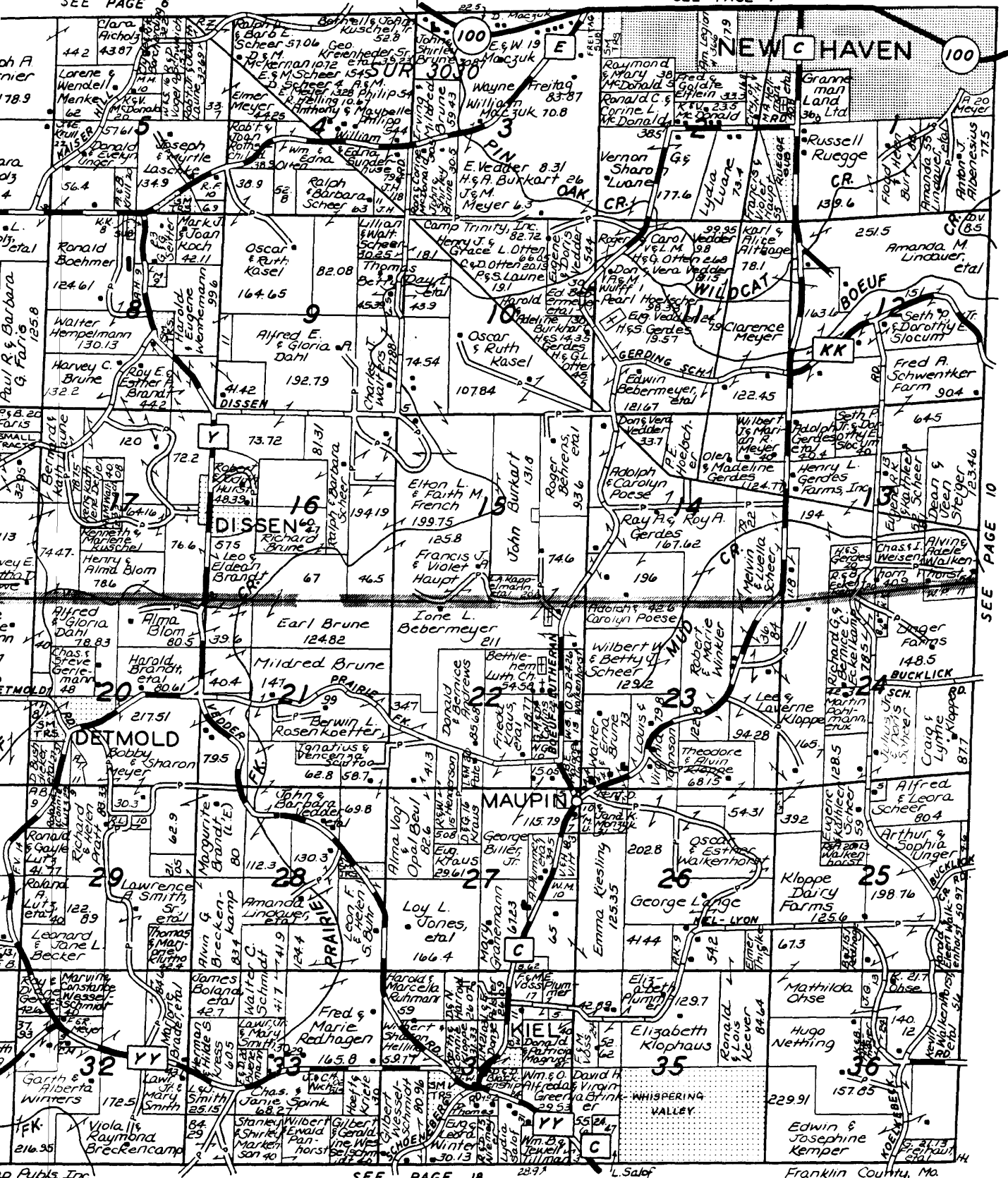
Overburden stockpile.

existing pit (expanding NE)

slopes exceed 3:1 (highwall)



BOEUF NORTH CENTRAL LYON T.44N-R.3W.



NTn.t.s. by K.M. 1992  
Franklin SI.T44N-R3W  
Mid-Missouri Limestone, Inc.  
Site #2--New Haven Quarry

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MISSOURI LAND  
RECLAMATION COMMISSION

New Haven Quarry

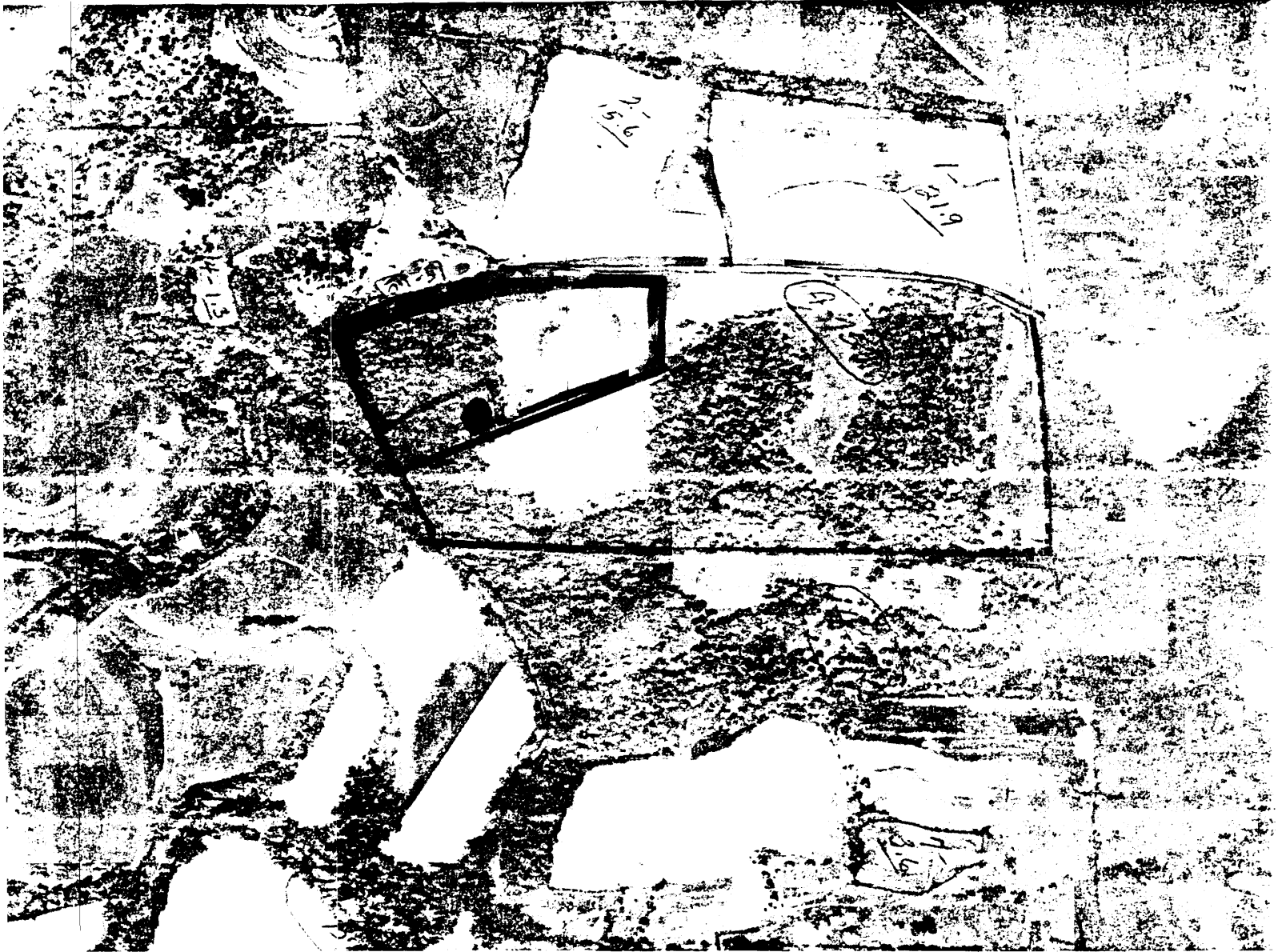
Open Pit

overburden & top-  
soil stockpile

Permitted Acreage...

Mid-Missouri Limestone, Inc.  
SN #2 - New Haven Quarry  
Franklin St. T44N.R.3W  
by K.M. 1992

Scale 1" = 660' N →



- property boundary
- permit area 16a.
- topsoil stockpile
- overburden stockpile
- current pit area (we will be going deeper into the current floor)





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Big Spring Quarry

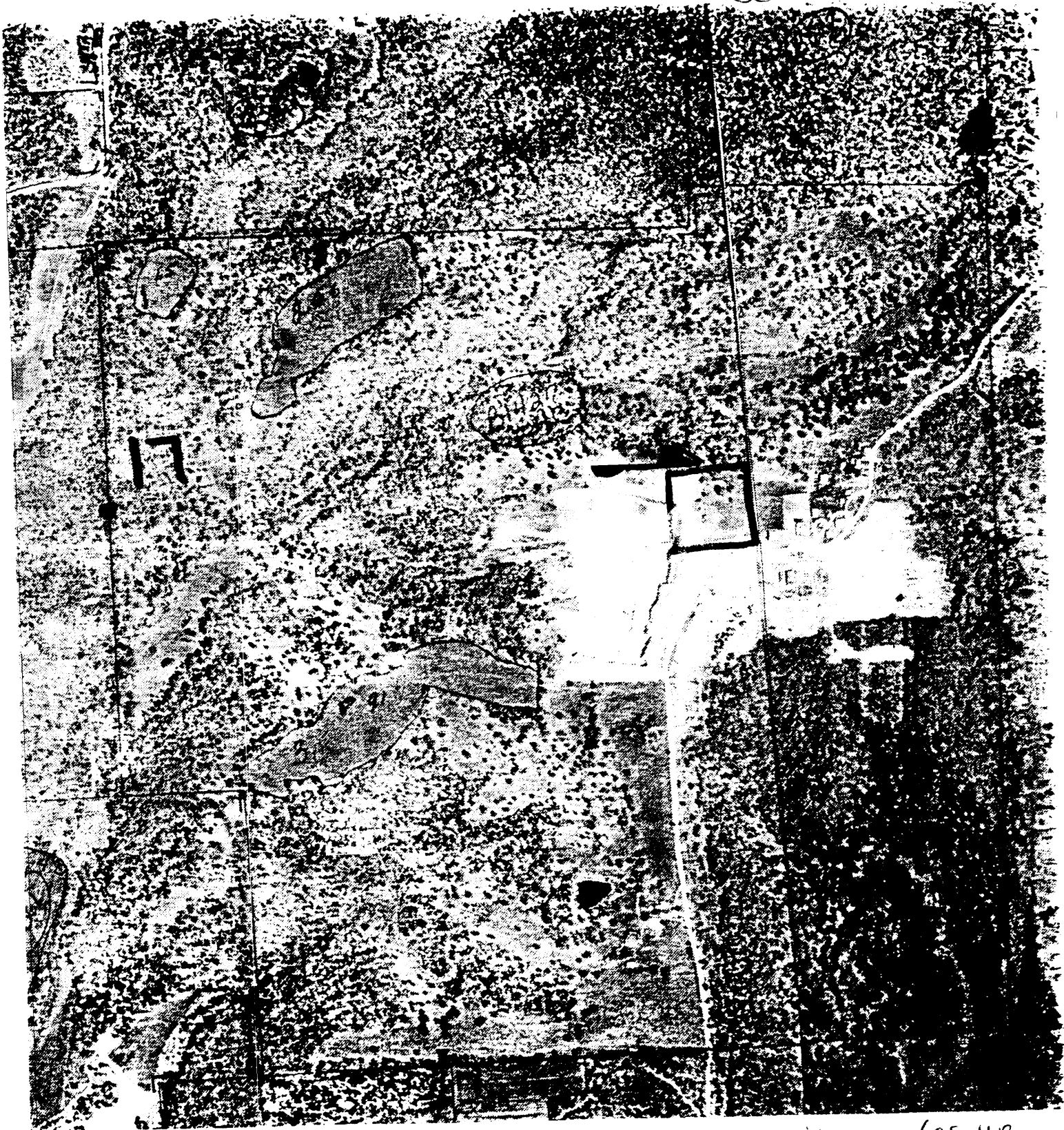
overburden & topsoil stockpile

Open Pit

■ Permitted Acreage  
■ Acreage disturbed

Mid-Missouri Limestone, Inc.  
Site #3 Big Spring Quarry  
Montgomery S 16 & 17 T47N R5W  
by K.M. 1992

N↑ Scale 1" = 600'

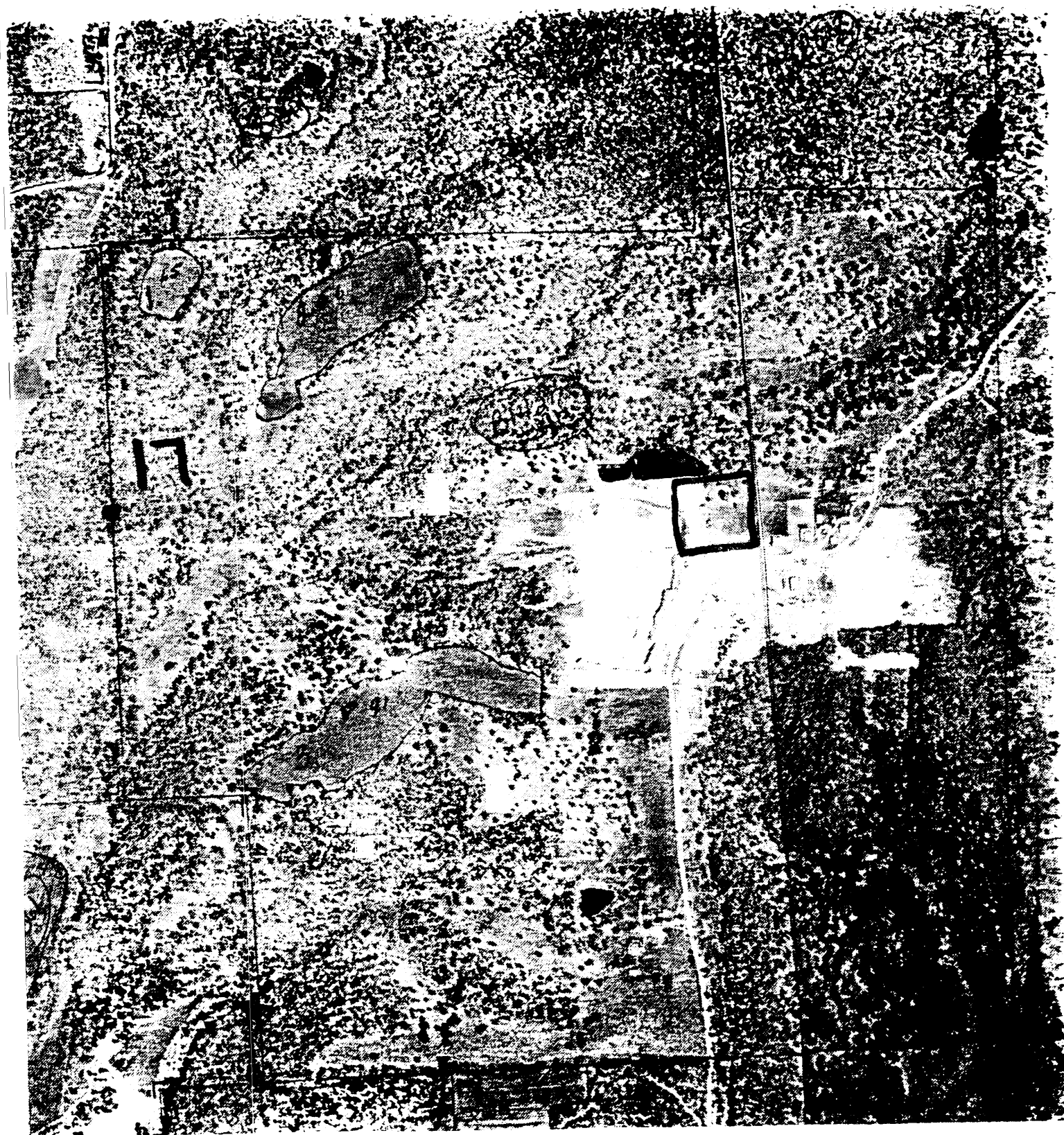


— property boundary  
— permit area 3ac.  
—

Current pit area (as we expand the pit we will be going east, but we do not anticipate expanding the pit this year)

Mid-Missouri Limestone, Inc.  
Site #3 - Big Spring Quarry  
Montgomery S16817. T47. R5  
by K.M. 1992

NT Scale 1" = 600'



property boundary  
— permit area 3 ac.  
—  
—

Current pit area (as we expand  
the pit we will be going east,  
but we do not anticipate  
expanding the pit this year)